Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1. (currently amended) An ink for an ink jet
comprising:

a color ink containing a solvent which is polymerizable in the presence of an acid and a colorant dispersed in said solvent, the solvent comprising an oxetane compound having an oxetane group, the oxetane compound being in an amount of 10 to 40 parts by weight based on the entire amount of the solvent; and

a reaction liquid containing a photo-acid generating agent which is capable of generating an acid when it is irradiated with light and prepared separately from said color ink, said reaction liquid being preserved separately from said color ink, the color ink and the reaction liquid being mixed together immediately before being introduced into an ink jet type recording head.

Claim 2. (previously presented) The ink according to claim
1, wherein said color ink further comprises a basic compound
and/or a basicity-adjusting compound.

recording medium; and

Claim 3. (withdrawn) An ink jet recording apparatus comprising:

a color ink container having a capacity V1 accommodating therein a solvent which is polymerizable in the presence of an acid and a colorant dispersed in said solvent;

a reaction liquid container having a capacity V2 (V2<V1) accommodating therein a reaction liquid comprising a solvent, and a photo-acid generating agent which is dissolved in said solvent and capable of generating an acid as it is irradiated with light;

a stirring container mixing said color ink and

said reaction liquid at a mixing ratio of S1:S2 (said color ink : said reaction liquid) to prepare a recording ink;

a color ink supply means feeding said color ink from said color ink container to said stirring container;

a reaction liquid supply means feeding said reaction liquid from said reaction liquid container to said stirring container; an ink jet recording head ejecting said recording ink to a

a supply tube feeding said recording ink to said recording head $\ensuremath{\mathsf{head}}$

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Claim 4. (withdrawn) The ink jet recording apparatus according to claim 3, wherein said reaction liquid container is kept at a temperature lower than that for keeping said color ink container.

Claim 5. (withdrawn) The ink jet recording apparatus according to claim 3, further comprising a cooling fan for cooling said reaction liquid container.

Claim 6. (withdrawn) The ink jet recording apparatus according to claim 3, wherein a ratio between a capacity (V2) of said reaction liquid container and a capacity (VI) of said color ink container (V2<VI) is smaller than the mixing ratio(S2/S1) between said reaction liquid and said color ink in said stirring container.

Claim 7. (withdrawn) The ink jet recording apparatus according to claim 3, further comprising an image datastoring/processing device, a recording ink residue-detecting

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monitor detecting the quantity of residual recording ink remaining inside said agitating container, and a control device, wherein image information and residual ink information are fed respectively from said image data-storing/processing device and said ink residue-detecting monitor to said control device, said image information and said residual ink information being subsequently fed to said color ink supply means as well as to said reaction liquid supply means.

Claim 8. (withdrawn) The ink jet recording apparatus according to claim 3, wherein said color ink and said reaction liquid are fed to said stirring container at a ratio enables said recording ink to contain said photo-acid generating agent at a ratio of 1 to 20% by weight.

Claim 9. (withdrawn) The ink jet recording apparatus according to claim 3, wherein said color ink further comprises a basic compound and/or a basicity-adjusting compound.

Claim 10. (withdrawn) The ink jet recording apparatus according to claim 9, wherein said color ink contains a basic compound and/or a basicity-adjusting compound at a ratio of 0.1 to 0.8% by weight.

Claim 11. (previously presented) The ink according to claim 1, wherein the solvent contained in the color ink has a viscosity of 30 mPa·s or less under the conditions of ordinary temperature and atmospheric pressure, said solvent having a boiling point of 150°C or more.

Claim 12. (previously presented) The ink according to claim 1, wherein the solvent contained in the color ink has a molecular weight of not more than 1000.

Claims 13 to 16. (canceled)

Claim 17. (previously presented) The ink according to claim 12, wherein the solvent comprises a vinyl ether compound. Appln. No. 10/806,818 Reply to Office Action mailed December 14,2007

Claim 18. (previously presented) The ink according to claim 1, wherein the solvent contained in the color ink comprises an aliphatic skeleton.

Claim 19. (previously presented) The ink according to claim 1, wherein the solvent contained in the color ink comprises a low viscosity compound having a viscosity of 1 cP to 30 cP and a high viscosity compound having a viscosity of 20 cP to 500 cP.

Claim 20. (previously presented) The ink according to claim 18, wherein a weight ratio of the low viscosity compound to the high viscosity compound is 1:1 to 10:1.

Claim 21. (previously presented) The ink according to claim 18, wherein the low viscosity compound is selected from the group consisting of a compound represented by the following formula (1) and a compound represented by the following formula (2):

- R1-A1-R2 (1)
- R3-A2 (2)

wherein, R1, R2 and R3 individually represent an epoxy group or an epoxy group having an alicyclic skeleton; and A1 and A2 each represent a functional group.

Claim 22. (previously presented) The ink according to claim 18, wherein the high viscosity compound is represented by the following formula (3):

 $R4-A3-(R5)_k$ (3)

wherein R4 and R5 individually represent an epoxy group or an epoxy group having an alicyclic skeleton; and A3 represents a (k+1)-valent functional group, wherein k is natural number, said A3 having at least an alkylene group and/or an alicyclic skeleton.

Claim 23. (previously presented) The ink according to claim
1, wherein the colorant contained in the color ink is selected
from the group consisting of a pigment and a powder.

Claim 24. (previously presented) The ink according to claim 23, wherein the colorant has a diameter which is not larger than 0.35 μm .

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Claim 25. (previously presented) The ink according to claim 1, wherein the color ink further comprises a basic compound and/or a basicity-adjusting compound.

Claim 26. (previously presented) The ink according to claim
1, wherein the color ink further comprises a radically
polymerizable compound.

Claim 27. (previously presented) The ink according to claim 1, wherein the photo-acid generating agent contained in the reaction liquid is selected from the group consisting of an onium salt, a quinone diazide compound, an organic halide compound, an aromatic sulfonate compound, a bisulfone compound, a sulfonyl compound, a sulfonate compound, a sulfamide compound and a sulfonyl diazomethane compound.

Claim 28. (currently amended) A method for ink jet
recording comprising:

discharging an ink according to claim 1 from an ink jet head on a recording medium to form an ink layer[[:]] ;

discharging an ink according to claim 1 from an ink jet head on a recording medium to form an ink layer;

irradiating a light to the ink layer thereby generating an acid in the ink layer; and

heating the ink layer to promote a crosslinking reaction wherein the acid functions as a catalyst, thereby obtaining an image.

Claim 29. (currently amended) An ink for an ink jet comprising:

a color ink containing a solvent which is polymerizable in the presence of an acid and a colorant dispersed in said solvent, the solvent comprising a low viscosity compound having a viscosity of 1 cP to 30 cP and a high viscosity compound having a viscosity of 20 cP to 500 cP, the solvent comprising an oxetane compound having an oxetane group, the oxetane compound being in an amount of 10 to 40 parts by weight based on the entire amount of the solvent; and

a reaction liquid containing a photo-acid generating agent which is capable of generating an acid when it is irradiated with light and prepared separately from said color ink, said reaction

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liquid being preserved separately from said color ink, the color ink and the reaction liquid being mixed together immediately before being introduced into an ink jet type recording head.

Claim 30. (canceled)

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